WHAT IS CLAIMED IS:

1. A magnetic material for magnetic refrigeration, which exhibits, in a certain temperature region, an inflection point at which a second order differential coefficient of a magnetization curve changes from positive to negative with respect to a magnetic field, within the range of the strength of the magnetic field formed using a permanent magnet.

5

20

25

- 2. A material according to claim 1, which
 exhibits, only in part of a temperature region from
 200 K to 350 K, an inflection point at which a second
 order differential coefficient of a magnetization curve
 changes from positive to negative with respect to a
 magnetic field, within the range of the strength of the
 magnetic field of not more than 1 tesla.
 - 3. A material according to claim 1, which comprises:

a total of 50 to 96 atomic % of one or not less than two elements selected from the group consisting of Fe, Co, Ni, Mn, and Cr;

a total of 4 to 43 atomic % of one or not less than two elements selected from the group consisting of Si, C, Ge, Al, B, Ga, and In; and

a total of 4 to 20 atomic % of one or not less than two elements selected from the group consisting of Y, La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, and Yb.

- 4. A material according to claim 3, wherein said magnetic material further comprises 4 to 25 atomic % of Si.
- 5. A material according to claim 1, which comprises:

5.

15

- a total of 60 to 96 atomic % of one or not less than two elements selected from the group consisting of Fe, Co, Ni, Mn, and Cr; and
- a total of 4 to 40 atomic % of one or not less

 than two elements selected from the group consisting of
 Sc, Ti, Y, Zr, Nb, Mo, Hf, Ta, and W.
 - 6. A material according to claim 5, wherein said magnetic material further comprises a total of not less than 25 atomic % of one or not less than two elements selected from the group consisting of Ti, Zr, Nb, and Hf.
 - 7. A material according to claim 1, which comprises:
- a total of 50 to 80 atomic % of one or not less

 than two elements selected from the group consisting of

 Fe, Co, Ni, Mn, and Cr;
 - a total of 20 to 50 atomic % of one or not less than two elements selected from the group consisting of Sb, Bi, P, and As.
- 8. A material according to any one of claims 3 to 7, wherein the content of oxygen is not more than 1 atomic %.